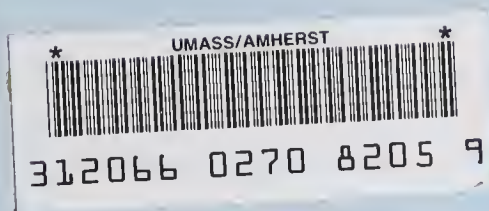


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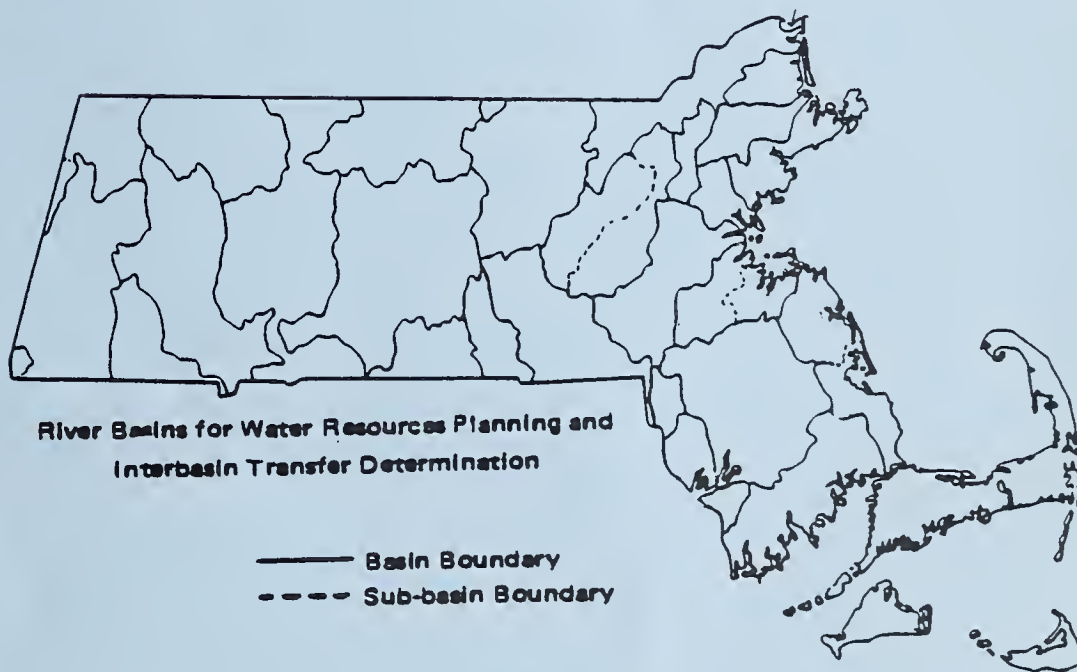


Massachusetts Public Water Supply Systems Annual Average Day Demand 1980 - 1984

GOVERNMENT DOCUMENTS
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Massachusetts Department of Environmental Management
Division of Water Resources

June 1985

MASSACHUSETTS PUBLIC WATER SUPPLY SYSTEMS
ANNUAL AVERAGE DAY DEMAND
1980, 1981, 1982, 1983, 1984

Department of Environmental Management
Division of Water Resources



James Gutensohn
James Gutensohn, Commissioner DEM

Director & Chief Engineer

Charles F. Kennedy

Chief Planner

Richard Thibedeau

MASSACHUSETTS PUBLIC WATER SUPPLY SYSTEMS
ANNUAL AVERAGE DAY DEMAND
FOR YEARS 1980, 1981, 1982, 1983 & 1984

INTRODUCTION

The Water Resources Management Planning Regulations 313: CMR 2.00 were adopted by the Massachusetts Water Resources Commission to establish a framework for the development of plans for the river basins of the Commonwealth and a state-wide water resource management plan. The regulations provide for a planning process in which the plans would be based on local, regional and state assessments of water needs and water resources.

This report is a product of the information collected from the public water supply agencies as part of the planning process being implemented by the Division of Water Resources.

PUBLIC WATER SUPPLY SYSTEMS

The public water supply systems in Massachusetts consist of 217 municipal water departments, 78 fire and water districts and 68 private water companies. These systems are located in 290 of the Commonwealth's 351 cities and towns. The citizens in the remaining towns rely almost totally on individual private wells for their water supply.

SOURCES OF INFORMATION

The average day demand for the years 1980 through 1984 for the State's public water supply systems were obtained from the "Water Supply Statistics Report" submitted by the water supply agencies to the Division of Water Supply's (DEQE) regional offices, phone discussions with approximately two hundred of the individual water supply agency managers and input from the Metropolitan District Commission.

REPORT FORMAT

The information is arranged by communities within each river basin. Each of the 351 cities and towns in the Commonwealth was assigned to one of the river basins or one of the four sub-basins in the Boston Harbor Basin established by the Massachusetts Water Resources Commission for water planning purposes. The boundaries of the river basins are based on hydrological considerations (watershed boundaries) and coincide with city and town boundaries. This can result in one town having land in two or even three basins. Communities were assigned to the river basin containing the largest percentage of their gross acreage.

AVERAGE DAY DEMAND

This report contains the average day demand for the public water supply systems in Massachusetts for the calendar years 1980, 1981, 1982, 1983 and 1984.

The figures listed represent the "net water consumption" which is the water pumped from the system's own sources, plus water purchased from other systems, minus water sold to other systems.

The average day demand is given in millions of gallons per day (mgd). The average day demand in mgd was obtained by dividing the annual water use, as reported to DEQE or directly to the Division of Water Resources, by the number of days in the year. The figures in mgd are rounded off to the nearest ten thousand gallons.

Some communities are served by more than one public water supply system. In these cases, the average day demand for each system was combined to give a total for the community.

The figures listed in the right hand column of each page is the five year numerical average of the average day demand for the years 1980 through 1984.

REPORT EXPLANATORY NOTES

- a. "No Central Supply" - indicates the towns whose citizens rely almost entirely on individual private wells for their water supply.
- b. "Insignificant Water Use" - indicates the towns where the average day demand of the public water supply system(s) is less than five thousand gallons per day (.005 mgd). These are small public water supply systems providing, in terms of a state perspective, an insignificant amount of water.

MASSACHUSETTS SUMMARY

	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>
Total Average Day Demand for the State's Public Water Supply Systems (in mgd)	787	774	745	756	764

(These totals do not include MDC "Special System Users")

READER FEEDBACK IS ENCOURAGED

One of the goals of the Division's River Basin Planning Program is to compile accurate water resource data and to keep this information up-to-date. Please submit suggestions for refining this information to:

Department of Environmental Management
Division of Water Resources
100 Cambridge Street, Room 1304
Boston, MA 02202
(617) 727-3267

BASIN NUMBER INDEX for MASSACHUSETTS COMMUNITIES

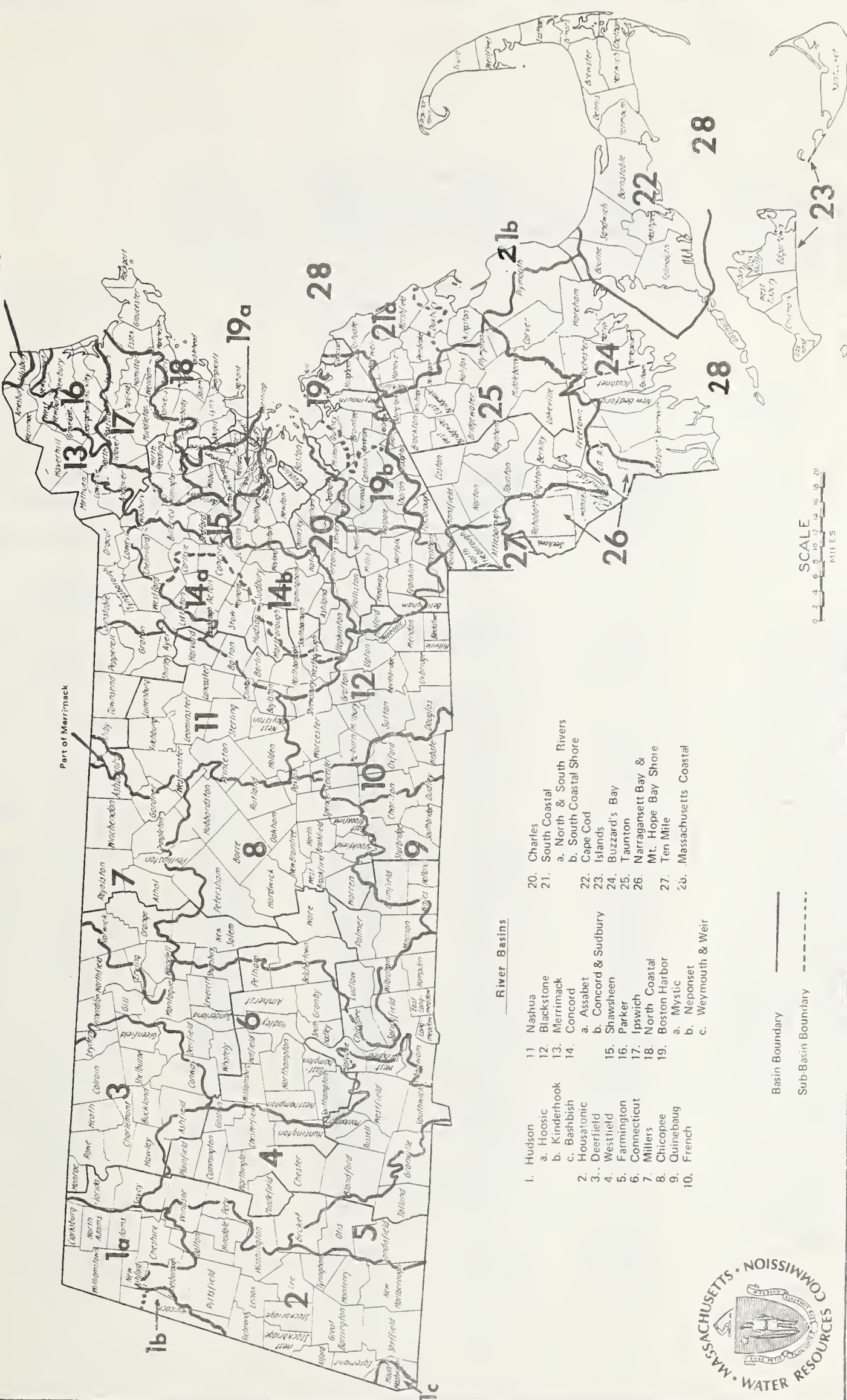
A		C		F		H	
Abington	25	<u>Cambridge</u>	20	<u>Fairhaven</u>	24	Hubbardston	9
Acton	14a	Canton	19b	<u>Fall River</u>	26	Hudson	14a
Acushnet	24	Carlisle	14b	<u>Falmouth</u>	22	Hull	19c
Adams	1a	Carver	24	<u>Fitchburg</u>	11	<u>Huntington</u>	4
Agawam	6	Charlemont	3	Florida	3		
Alford	2	Charlton	9	Foxborough	25	I	
Amesbury	13	Chatham	22	Frammingham	14b	Ipswich	17
Amherst	6	Chelmsford	14b	Franklin	20		
Andover	15	<u>Chelsea</u>	19a	<u>Freetown</u>	25	K	
Arlington	19a	Cheshire	1a			Kingston	21b
Ashburnham	7	Chester	4	G			
Ashby	11	Chesterfield	4	<u>Gardner</u>	7	L	
Ashfield	3	Chicopee	8	Gay Head	23		25
Ashland	14b	Chilmark	23	Georgetown	16	Lakeville	
Athol	7	Clarksburg	1a	Gill	6	Lancaster	11
Attleboro	27	Clinton	11	Gloucester	18	Lanesborough	2
Auburn	12	Cohasset	21a	Goshen	4	Lawrence	13
Avon	25	Colrain	3	Gosnold	23	Lee	2
Ayer	11	Concord	14b	Grafton	12	Leicester	10
		Conway	3	Granby	6	Lenox	2
		Cummington	4	Granville	4	Leominster	11
				Great Barrington	2	Leverett	6
B		D		Greenfield	3	Lexington	15
Barnstable	22			Groton	11	Leyden	3
Barre	8	Dalton	2	Groveland	13	Lincoln	20
Becket	4	Danvers	18			Littleton	13
Bedford	15	Dartmouth	24	H		Longmeadow	6
Belchertown	8	Dedham	20	Hadley	6	Lowell	13
Bellingham	20	Deerfield	6	Halifax	25	Ludlow	8
Belmont	19a	Dennis	22	Hamilton	17	Lunenburg	11
Berkley	25	Dighton	25	Hampden	6	Lynn	18
Berlin	14a	Douglas	12	Hancock	1b	Lynnfield	18
Bernardston	6	Dover	20	Hanover	21a		
Beverly	18	Dracut	13	Hanson	25	M	
Billerica	14b	Dudley	9	Hardwick	8		
Blackstone	12	Dunstable	13	Harvard	11	Malden	19a
Blandford	4	Duxbury	21b	Harwich	22	Manchester	18
Bolton	14a			Hatfield	6	Mansfield	25
Boston	20	E		Haverhill	13	Marblehead	18
Bourne	22			Hawley	3	Marion	24
Boxborough	14a	East Bridgewater	25	Heath	3	Marlborough	14b
Boxford	17	East Brookfield	8	Hingham	19c	Marshfield	21a
Boyiston	11	East Longmeadow	6	Hinsdale	2	Mashpee	22
Braintree	19c	Eastham	22	Holbrook	19c	Mattapoisett	24
Brewster	22	Easthampton	6	Holden	11	Maynard	14a
Bridgewater	25	Easton	25	Holland	9	Medfield	20
Brimfield	9	Edgartown	23	Holliston	20	Medford	19a
Brockton	25	Egremont	2	Holyoke	6	Medway	20
Brookfield	8	Erving	7	Hopedale	12	Melrose	19a
Brookline	20	Essex	18	Hopkinton	14b	Mendon	12
Buckland	3	Everett	19a			Merrimac	13
Burlington	15						

Communities underlined are cities.

M		P		S		W	
Methuen	13	Palmer	8	Shutesbury	6	Ware	8
Middleborough	25	Paxton	8	Somerset	25	Wareham	24
Middlefield	4	Peabody	18	Somerville	19a	Warren	8
Middleton	17	Pelham	6	South Hadley	6	Warwick	7
Milford	20	Pembroke	21a	Southampton	6	Washington	2
Millbury	12	Pepperell	11	Southborough	14b	Watertown	20
Millis	20	Peru	4	Southbridge	9	Wayland	14b
Millville	12	Petersham	8	Southwick	4	Webster	10
Milton	19b	Phillipston	7	Spencer	8	Wellesley	20
Monroe	3	Pittsfield	2	Springfield	6	Wellfleet	22
Monson	8	Plainfield	4	Sterling	11	Wendell	7
Montague	6	Plainville	27	Stockbridge	2	Wenham	17
Monterey	2	Plymouth	21b	Stoneham	19a	West Boylston	11
Montgomery	4	Plympton	25	Stoughton	19b	West Bridgewater	25
Mount Washington	1c	Princeton	11	Stow	14a	West Brookfield	8
		Provincetown	22	Sturbridge	9	West Newbury	13
				Sudbury	14b	West Springfield	4
N		Q		T		West Stockbridge	
Nahant	18	Quincy	19b	Sunderland	6	West Tisbury	23
Nantucket	23			Sutton	12	Westborough	14b
Natick	20			Swampscott	18	Westfield	4
Needham	20			Swansea	26	Westford	13
		R				Westhampton	6
New Ashford	1a	Randolph	19c			Westminster	11
New Bedford	24	Raynham	25	Taunton	25	Weston	20
New Braintree	8	Reading	17	Templeton	7	Westport	24
New Marlborough	2	Rehoboth	26	Tewksbury	15	Westwood	19b
New Salem	8	Revere	18	Tisbury	23	Weymouth	19c
Newbury	16	Richmond	2	Tolland	5	Whately	6
Newburyport	13	Rochester	24	Topsfield	17	Whitman	25
Newton	20	Rockland	21a	Townsend	11	Wilbraham	6
Norfolk	20	Rockport	18	Truro	22	Williamsburg	6
North Adams	1a	Rowe	3	Tyngsborough	13	Williamstown	1a
North Andover	17	Rowley	16	Tyringham	2	Wilmington	17
North Attleborough	27	Royalston	7			Winchendon	7
North Brookfield	8	Russell	4	U		Winchester	19a
North Reading	17	Rutland	8	Upton	12	Windsor	4
Northampton	6			Uxbridge	12	Winthrop	19a
Northborough	14a	S				Woburn	19a
Northbridge	12	Salem	18	W		Worcester	12
Northfield	6	Salisbury	13	Wakefield	18	Worthington	4
Norton	25	Sandisfield	5	Wales	9	Wrentham	20
Norwell	21a	Sandwich	22	Walpole	19b		
Norwood	19b	Saugus	18	Waltham	20	Y	
		Savoy	3			Yarmouth	22
		Scituate	21a				
		Seekonk	26				
		Sharon	19b				
		Sheffield	2				
		Shelburne	3				
		Sherborn	20				
		Shirley	11				
		Shrewsbury	12				
O							
Oak Bluffs	23						
Oakham	8						
Orange	7						
Orleans	22						
Otis	5						
Oxford	10						

Part of North Coastal

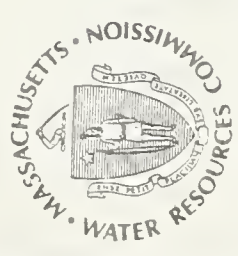
Part of Merrimack



River Basins

- 1. Hudson
 - a. Hoosic
 - b. Kinderhook
 - c. Bashbush
- 2. Housatonic
- 3. Deerfield
- 4. Westfield
- 5. Farmington
- 6. Connecticut
- 7. Millers
- 8. Chicopee
- 9. Quinebaug
- 10. French
- 11. Nashua
- 12. Blackstone
- 13. Merrimack
- 14. Concord
 - a. Assabet
 - b. Concord & Sudbury
- 15. Shawsheen
- 16. Parker
- 17. Ipswich
- 18. North Coastal
- 19. Boston Harbor
 - a. Mystic
 - b. Neponset
 - c. Weymouth & Weir
- 20. Charles
- 21. South Coastal
 - a. North & South Rivers
 - b. South Coastal Shore
- 22. Cape Cod
- 23. Islands
- 24. Buzzard's Bay
- 25. Taunton
- 26. Narragansett Bay & Mt. Hope Bay Shore
- 27. Ten Mile
- 28. Massachusetts Coastal

Basin Boundary
Sub-Basin Boundary



Executive Office of Environmental Affairs • Water Resources Commission

Prepared by Division of Water Resources (D.E.M.)

Department of Environmental Management
Division of Water Resources
River Basin Planning Program

Massachusetts Public Water Supply Systems
Annual Average Day Demand
1980, 1981, 1982, 1983 & 1984

Basin	1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
1. Hudson	6.01	5.88	5.65	6.26	6.24	6.01
2. Housatonic	19.10	19.30	18.56	14.99	16.57	17.71
3. Deerfield	2.58	2.27	2.32	2.26	2.40	2.37
4. Westfield	11.20	11.08	10.69	11.35	11.11	11.08
5. Farmington		No Central Supply				
6. Connecticut	62.33	61.68	58.01	61.57	63.67	61.46
7. Millers	5.02	4.69	4.82	4.62	4.48	4.73
8. Chicopee	18.87	18.50	17.57	16.92	17.02	17.77
9. Quinebaug	3.58	4.04	3.53	3.76	3.90	3.76
10. French	2.61	2.87	2.62	2.55	2.71	2.68
11. Nashua	23.12	22.19	20.45	20.17	20.90	21.37
12. Blackstone	34.50	34.17	30.37	31.55	34.23	32.97
13. Merrimack	34.93	38.08	37.02	37.16	39.43	37.34
14. Concord	36.56	34.45	34.48	37.02	37.29	35.96
15. Shawsheen	14.87	13.90	13.89	14.77	15.11	14.52
16. Parker	0.86	0.93	0.90	0.93	0.94	0.91
17. Ipswich	10.97	10.71	10.87	11.24	11.61	11.08
18. North Coastal	57.69	58.27	55.58	54.54	56.70	56.56
19. Boston Harbor	105.51	103.12	99.11	101.79	104.46	102.77
20. Charles	212.72	208.60	202.32	199.88	190.52	202.81
21. South Coastal	15.90	15.74	15.42	16.33	16.51	15.98
22. Cape Cod	19.34	18.98	19.12	20.41	20.31	19.61
23. Islands	2.73	2.58	2.49	2.64	2.45	2.57
24. Buzzards Bay	23.03	22.85	22.00	24.47	24.20	23.32
25. Taunton	37.77	34.73	32.74	34.03	35.20	34.91
26. Narragansett Bay and Mount Hope Bay Shore	14.72	15.80	16.48	16.95	17.23	16.23
27. Ten Mile	<u>10.55</u>	<u>8.60</u>	<u>7.93</u>	<u>7.98</u>	<u>8.51</u>	<u>8.71</u>
Total	787.07	774.01	744.94	756.14	763.70	765.19

1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
--	--	--	--	--	----------------------------------

1. HUDSON BASIN

a. HOOSIC

Adams	1.79	1.83	1.59	2.38	2.34	1.99
Cheshire	0.24	0.27	0.23	0.23	0.22	0.24
Clarksburg	0.01	0.01	0.01	0.01	0.01	0.01
New Ashford		No Central Supply				
North Adams	2.88	2.81	2.87	2.77	2.82	2.83
Williamstown	1.09	0.96	0.95	0.87	0.85	0.94
Total	6.01	5.88	5.65	6.26	6.24	6.01

b. KINDERHOOK

Hancock No Central Supply

c. BASHBISH

Mount Washington		No Central Supply				
Basin Total	6.01	5.88	5.65	6.26	6.24	6.01

2. HOUSATONIC BASIN

Alford		No Central Supply				
Dalton	0.94	0.78	0.72	0.58	0.56	0.72
Egremont	0.13	0.12	0.13	0.12	0.12	0.12
Great Barrington	1.40	1.26	1.27	1.33	1.39	1.33
Hinsdale	0.05	0.05	0.05	0.05	0.05	0.05
Lanesborough	0.22	0.22	0.22	0.22	0.22	0.22
Lee	1.36	1.15	1.10	0.97	1.36	1.19
Lenox	0.85	0.67	0.88	0.77	0.77	0.79
Monterey	0.01	0.01	0.01	0.01	0.01	0.01
New Marlborough	0.01	0.01	0.01	0.01	0.01	0.01
Pittsfield	13.63	14.57	13.68	10.50	11.63	12.80
Richmond		Insignificant Water Use				
Sheffield	0.12	0.12	0.11	0.13	0.11	0.12
Stockbridge	0.35	0.31	0.35	0.27	0.31	0.32
Tyringham		No Central Supply				
Washington		No Central Supply				
West Stockbridge	0.03	0.03	0.03	0.03	0.03	0.03
Basin Total	19.10	19.30	18.56	14.99	16.57	17.71

1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
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3. DEERFIELD BASIN

Ashfield	0.02	0.02	0.02	0.02	0.02	0.02
Buckland		No Central Supply				
Charlemont		No Central Supply				
Colrain	0.01	0.01	0.01	0.01	0.01	0.01
Conway		No Central Supply				
Florida		No Central Supply				
Greenfield	2.34	2.04	2.10	2.03	2.13	2.13
Hawley		No Central Supply				
Heath		No Central Supply				
Leyden		No Central Supply				
Monroe	0.01	0.01	0.01	0.01	0.01	0.01
Rowe		No Central Supply				
Savoy		No Central Supply				
Shelburne	0.20	0.19	0.18	0.19	0.23	0.20
Basin Total	2.58	2.27	2.32	2.26	2.40	2.37

4. WESTFIELD BASIN

Becket		No Central Supply				
Blandford	0.04	0.08	0.07	0.09	0.08	0.07
Chester	0.12	0.09	0.07	0.07	0.06	0.08
Chesterfield		No Central Supply				
Cummington	0.02	0.02	0.02	0.02	0.02	0.02
Goshen		No Central Supply				
Granville		Insignificant Water Use				
Huntington	0.13	0.09	0.09	0.09	0.09	0.10
Middlefield		No Central Supply				
Montgomery		No Central Supply				
Peru		No Central Supply				
Plainfield		No Central Supply				
Russell	0.31	0.31	0.31	0.31	0.31	0.31
Southwick	0.45	0.45	0.43	0.46	0.47	0.45
West Springfield	4.01	3.87	3.75	4.02	4.02	3.93
Westfield	6.08	6.13	5.91	6.26	6.02	6.08
Windsor		No Central Supply				
Worthington	0.04	0.04	0.04	0.03	0.04	0.04
Basin Total	11.20	11.08	10.69	11.35	11.11	11.08

5. FARMINGTON BASIN

Otis	No Central Supply
Sandisfield	No Central Supply
Tolland	No Central Supply

Basin Total

	1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
6. CONNECTICUT BASIN						
Agawam	2.75	2.74	2.68	2.76	2.72	2.73
Amherst	3.21	2.99	3.09	3.34	3.64	3.25
Bernardston	0.14	0.14	0.17	0.17	0.17	0.16
Deerfield	0.80	0.73	0.77	0.74	0.90	0.79
East Longmeadow	1.34	1.25	1.25	1.25	1.50	1.32
Easthampton	3.19	3.18	3.15	3.15	3.46	3.23
Gill	0.02	0.01	0.01	0.02	0.02	0.02
Granby		Insignificant Water Use				
Hadley	0.76	0.79	0.74	0.80	0.81	0.78
Hampden		No Central Supply				
Hatfield	0.26	0.28	0.28	0.39	0.39	0.32
Holyoke	9.49	9.63	8.62	9.10	9.22	9.21
Leverett		No Central Supply				
Longmeadow	2.15	2.06	2.45	2.64	2.55	2.37
Montague	0.91	1.05	1.08	1.13	1.14	1.06
Northampton	3.33	3.70	3.02	3.97	3.97	3.60
Northfield	0.15	0.15	0.15	0.16	0.17	0.16
Pelham		No Central Supply				
Shutesbury		No Central Supply				
South Hadley	2.80	2.60	2.74	3.07	3.10	2.86
Southampton	0.12	0.11	0.11	0.11	0.11	0.11
Springfield	29.67	29.03	26.38	27.44	28.37	28.18
Sunderland	0.19	0.21	0.23	0.23	0.27	0.23
Westhampton	0.02	0.02	0.02	0.02	0.02	0.02
Whately	0.01	0.01	0.01	0.01	0.01	0.01
Wilbraham	0.84	0.84	0.89	0.88	0.91	0.87
Williamsburg	0.18	0.16	0.17	0.19	0.22	0.18
Basin Total	62.33	61.68	58.01	61.57	63.67	61.46
7. MILLERS BASIN						
Ashburnham	0.17	0.19	0.17	0.17	0.19	0.18
Athol	1.15	1.20	0.94	0.91	0.94	1.03
Erving		No Central Supply				
Gardner	1.92	1.76	2.00	1.71	1.43	1.76
Orange	0.58	0.56	0.60	0.61	0.65	0.60
Phillipston		No Central Supply				
Royalston	0.02	0.02	0.02	0.02	0.02	0.02
Templeton	0.48	0.49	0.49	0.54	0.59	0.52
Warwick		No Central Supply				
Wendall		No Central Supply				
Winchendon	0.70	0.47	0.60	0.66	0.66	0.62
Basin Total	5.02	4.69	4.82	4.62	4.48	4.73

	1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
<u>8. CHICOPEE BASIN</u>						
Barre	0.24	0.25	0.28	0.27	0.23	0.25
Belchertown	0.20	0.20	0.20	0.19	0.19	0.20
Brookfield	0.09	0.09	0.09	0.09	0.09	0.09
Chicopee	10.38	10.18	10.16	9.39	9.62	9.95
East Brookfield	0.13	0.12	0.12	0.13	0.13	0.13
Hardwick	0.10	0.10	0.12	0.12	0.13	0.11
Hubbardston		No Central Supply				
Ludlow	2.58	2.27	1.32	1.33	1.51	1.80
Monson	0.95	0.94	1.06	1.17	0.88	1.00
New Braintree		No Central Supply				
New Salem		No Central Supply				
North Brookfield	0.48	0.42	0.46	0.43	0.41	0.44
Oakham		No Central Supply				
Palmer	1.36	1.41	1.39	1.30	1.26	1.34
Paxton	0.22	0.29	0.27	0.28	0.25	0.26
Petersham		No Central Supply				
Rutland	0.24	0.23	0.25	0.27	0.29	0.26
Spencer	0.45	0.45	0.48	0.49	0.44	0.46
Ware	0.92	0.97	0.88	0.93	1.03	0.95
Warren	0.28	0.30	0.29	0.30	0.30	0.29
West Brookfield	0.25	0.28	0.20	0.23	0.26	0.24
Basin Total	18.87	18.50	17.57	16.92	17.02	17.77
<u>9. QUINEBAUG BASIN</u>						
Brimfield		No Central Supply				
Charlton		No Central Supply				
Dudley	0.88	1.10	1.05	1.07	1.01	1.02
Holland		No Central Supply				
Southbridge	2.03	2.27	1.83	1.94	2.18	2.05
Sturbridge	0.67	0.67	0.65	0.75	0.71	0.69
Wales		No Central Supply				
Basin Total	3.58	4.04	3.53	3.76	3.90	3.76
<u>10. FRENCH BASIN</u>						
Leicester	0.63	0.64	0.60	0.58	0.59	0.61
Oxford	0.70	0.82	0.72	0.68	0.82	0.75
Webster	1.28	1.41	1.30	1.29	1.30	1.32
Basin Total	2.61	2.87	2.62	2.55	2.71	2.68

1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
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11. NASHUA BASIN

Ashby		No Central Supply				
Ayer	1.38	1.19	1.30	1.36	1.48	1.34
Boylston	0.42	0.40	0.35	0.36	0.32	0.37
Clinton	1.92	2.05	1.98	2.00	2.07	2.00
Fitchburg	7.72	7.34	6.59	6.04	6.95	6.93
Groton	0.46	0.50	0.48	0.52	0.48	0.49
Harvard	0.01	0.01	0.01	0.01	0.02	0.01
Holden	1.41	1.29	1.44	1.16	1.05	1.27
Lancaster	0.60	0.54	0.54	0.48	0.47	0.53
Leominster	6.17	5.81	4.80	4.99	4.82	5.32
Lunenburg	0.34	0.34	0.28	0.27	0.27	0.30
Pepperell	0.55	0.55	0.62	0.73	0.70	0.63
Princeton		No Central Supply				
Shirley	0.23	0.25	0.24	0.24	0.23	0.24
Sterling	0.35	0.39	0.37	0.44	0.40	0.39
Townsend	0.67	0.68	0.66	0.85	0.84	0.74
West Boylston	0.52	0.58	0.55	0.54	0.57	0.55
Westminster	0.37	0.27	0.24	0.18	0.23	0.26
Basin Total	23.12	22.19	20.45	20.17	20.90	21.37

12. BLACKSTONE BASIN

Auburn	1.21	1.23	1.26	1.23	1.27	1.24
Blackstone	0.37	0.45	0.42	0.43	0.45	0.42
Douglas	0.18	0.22	0.19	0.21	0.19	0.20
Grafton	0.82	0.77	0.81	0.79	0.80	0.80
Hopedale	0.43	0.34	0.49	0.46	0.51	0.45
Mendon	0.02	0.02	0.02	0.02	0.02	0.02
Millbury	1.16	1.02	0.93	1.02	1.08	1.04
Millville	No Central Supply					
Northbridge	1.14	1.17	1.13	1.08	1.07	1.12
Shrewsbury	2.55	2.91	2.72	2.48	2.70	2.67
Sutton	0.12	0.15	0.13	0.10	0.10	0.12
Upton	0.23	0.20	0.22	0.22	0.26	0.23
Uxbridge	0.67	0.71	0.70	0.69	0.54	0.66
Worcester	25.60	24.98	21.35	22.82	25.24	24.00
Basin Total	34.50	34.17	30.37	31.55	34.23	32.97

1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
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13. MERRIMACK BASIN

Amesbury	0.88	1.28	1.12	1.14	0.90	1.06
Dracut	1.03	1.01	1.00	1.02	0.92	1.00
Dunstable	0.02	0.02	0.02	0.02	0.02	0.02
Groveland	0.34	0.36	0.38	0.41	0.44	0.39
Haverhill	5.50	6.13	5.83	5.73	6.13	5.86
Lawrence	7.50	8.18	7.70	7.80	8.46	7.93
Littleton	1.06	0.92	0.86	0.75	0.84	0.89
Lowell	10.70	12.44	12.31	11.37	12.98	11.96
Merrimac	0.31	0.33	0.32	0.37	0.37	0.34
Methuen	3.16	3.17	3.29	3.87	3.60	3.42
Newburyport	2.08	1.80	1.77	1.99	2.05	1.94
Salisbury	0.96	0.97	0.98	1.11	1.11	1.03
Tyngsborough	0.20	0.21	0.22	0.23	0.24	0.22
West Newbury	0.16	0.17	0.16	0.16	0.15	0.16
Westford	1.03	1.09	1.06	1.19	1.22	1.12
Basin Total	34.93	38.08	37.02	37.16	39.43	37.34

14. CONCORD BASIN

a. ASSABET

Acton	1.44	1.38	1.48	1.69	1.68	1.53
Berlin		No Central Supply				
Bolton		No Central Supply				
Boxborough		No Central Supply				
Hudson	2.19	2.08	1.85	1.83	2.02	1.99
Maynard	1.35	1.21	1.14	1.02	1.05	1.15
Northborough	0.68	0.63	0.79	0.87	0.91	0.78
Stow	0.03	0.03	0.03	0.03	0.03	0.03
Total	5.69	5.33	5.29	5.44	5.69	5.48

b. CONCORD & SUDBURY

Ashland	1.16	1.22	1.40	1.14	0.99	1.18
Billerica	3.45	3.22	3.77	4.23	4.28	3.79
Carlisle		No Central Supply				
Chelmsford	4.84	4.86	4.51	4.53	4.29	4.61
Concord	2.14	2.15	1.87	2.08	1.96	2.04
Framingham	8.62	7.27	7.48	9.08	9.46	8.38
Hopkinton	0.57	0.57	0.55	0.55	0.59	0.57
Marlborough	4.12	4.16	4.03	4.36	3.99	4.13
Southborough	0.52	0.52	0.56	0.52	0.52	0.53
Sudbury	1.78	1.69	1.64	1.70	1.72	1.71
Wayland	1.65	1.72	1.57	1.60	1.66	1.64
Westborough	2.02	1.74	1.81	1.79	2.14	1.90
Total	30.87	29.12	29.19	31.58	31.60	30.48
Basin Total	36.56	34.45	34.48	37.02	37.29	35.96

	1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
15. <u>SHAWSHEEN BASIN</u>						
Andover	3.98	3.86	3.88	4.55	4.62	4.18
Bedford	1.51	1.44	1.67	1.85	1.98	1.69
Burlington	3.07	3.23	3.21	3.35	3.63	3.30
Lexington	4.16	3.30	3.09	3.36	3.42	3.47
Tewksbury	2.15	2.07	2.04	1.66	1.46	1.88
Basin Total	14.87	13.90	13.89	14.77	15.11	14.52
16. <u>PARKER BASIN</u>						
Georgetown	0.41	0.42	0.42	0.43	0.42	0.42
Newbury	0.16	0.16	0.14	0.17	0.16	0.16
Rowley	0.29	0.35	0.34	0.33	0.36	0.33
Basin Total	0.86	0.93	0.90	0.93	0.94	0.91
17. <u>IPSWICH BASIN</u>						
Boxford		No Central Supply				
Hamilton	0.77	0.95	0.98	0.82	0.91	0.89
Ipswich	1.01	0.90	0.78	0.92	0.93	0.91
Middleton	0.21	0.18	0.17	0.19	0.18	0.19
North Andover	2.63	2.54	2.55	2.62	2.57	2.58
North Reading	0.98	0.69	1.03	1.10	1.01	0.96
Reading	1.82	1.84	1.70	1.93	2.50	1.96
Topsfield	0.42	0.42	0.41	0.47	0.44	0.43
Wenham	0.29	0.29	0.25	0.34	0.30	0.29
Wilmington	2.84	2.90	3.00	2.85	2.77	2.87
Basin Total	10.97	10.71	10.87	11.24	11.61	11.08
18. <u>NORTH COASTAL BASIN</u>						
Beverly	4.17	4.13	4.01	4.14	3.87	4.06
Essex	0.26	0.28	0.25	0.19	0.19	0.23
Danvers	2.79	2.85	2.82	3.00	3.07	2.91
Gloucester	3.21	3.30	3.44	3.28	3.23	3.29
Lynn	14.52	16.22	15.12	14.15	14.50	14.90
Lynnfield	1.02	1.02	0.93	1.04	1.04	1.01
Manchester	0.73	0.70	0.73	0.76	0.70	0.72
Marblehead	2.16	2.16	2.08	2.11	1.99	2.10
Nahant	0.40	0.40	0.39	0.39	0.41	0.40
Peabody	8.46	8.00	6.92	6.28	6.98	7.33
Revere	4.64	4.34	4.37	4.36	4.37	4.42
Rockport	0.74	0.70	0.71	0.71	0.72	0.72
Salem	6.42	6.10	5.65	5.83	6.66	6.13
Saugus	3.78	3.81	3.85	3.86	3.90	3.84
Swampscott	1.96	1.80	1.68	1.74	1.95	1.83
Wakefield	2.43	2.46	2.63	2.70	3.12	2.67
Basin Total	57.69	58.27	55.58	54.54	56.70	56.56

	1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
19. <u>BOSTON HARBOR BASIN</u>						
a. <u>MYSTIC</u>						
Arlington	4.76	4.53	4.68	4.73	4.94	4.73
Belmont	3.02	3.13	2.91	3.10	2.81	2.99
Chelsea	3.38	3.17	3.00	3.34	3.48	3.27
Everett	8.47	8.65	7.98	8.01	8.34	8.29
Malden	5.44	5.26	5.26	5.26	5.45	5.33
Medford	6.72	6.72	6.27	6.61	8.34	6.93
Melrose	2.81	2.83	2.95	3.06	3.48	3.03
Somerville	9.80	9.27	8.90	8.92	9.69	9.32
Stoneham	3.58	4.13	3.74	3.69	3.18	3.66
Winchester	2.98	2.65	2.59	3.02	2.92	2.83
Winthrop	2.08	2.08	2.08	2.09	1.99	2.06
Woburn	5.65	5.97	5.69	6.08	6.04	5.89
Total	58.69	58.39	56.05	57.91	60.66	58.33
b. <u>NEPONSET</u>						
Canton	3.02	2.97	2.90	3.30	3.23	3.08
Milton	2.93	3.03	2.65	2.86	2.84	2.86
Norwood	4.35	4.07	4.20	4.23	5.12	4.39
Quincy	11.72	11.34	10.84	10.88	10.81	11.12
Sharon	1.26	1.15	1.10	1.04	1.02	1.11
Stoughton	2.40	2.20	2.27	2.22	2.24	2.27
Walpole	2.08	2.37	1.92	2.30	2.27	2.19
Westwood	1.45	1.51	1.47	1.26	1.42	1.42
Total	29.21	28.64	27.35	28.09	28.95	28.44
c. <u>WEYMOUTH AND WEIR</u>						
Braintree	4.28	4.08	3.91	3.66	3.91	3.97
Hingham	2.26	2.23	2.13	2.14	1.85	2.12
Holbrook	0.88	0.94	0.80	0.78	0.82	0.84
Hull	1.50	1.49	1.42	1.43	1.23	1.41
Randolph	4.22	3.29	2.95	3.11	2.58	3.23
Weymouth	4.47	4.06	4.50	4.67	4.46	4.43
Total	17.61	16.09	15.71	15.79	14.85	16.00
Basin Total	105.51	103.12	99.11	101.79	104.46	102.77

1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
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20. CHARLES BASIN

Bellingham	1.03	1.08	1.16	1.13	1.15	1.11
Boston	135.24	132.25	128.59	125.31	117.32	127.74
Brookline	7.15	7.04	6.70	6.99	6.87	6.95
Cambridge	17.25	17.24	17.01	17.16	17.10	17.15
Dedham	2.90	3.00	2.92	2.50	2.83	2.83
Dover	0.11	0.11	0.11	0.11	0.11	0.11
Franklin	2.04	1.88	1.86	2.11	2.05	1.99
Holliston	1.04	1.07	0.98	0.98	0.97	1.01
Lincoln	0.58	0.42	0.31	0.50	0.45	0.45
Medfield	0.95	0.91	0.91	1.03	1.08	0.98
Medway	0.72	0.68	0.63	0.81	0.72	0.71
Milford	2.40	2.47	2.61	2.81	2.80	2.62
Millis	0.69	0.63	0.66	0.69	0.59	0.65
Natick	4.45	4.22	3.81	3.99	4.33	4.16
Needham	3.63	3.63	3.45	3.73	3.53	3.59
Newton	11.11	11.61	11.15	11.60	10.49	11.19
Norfolk	0.22	0.23	0.18	0.18	0.22	0.21
Sherborn		No Central Supply				
Waltham	11.50	10.92	10.82	9.96	9.79	10.60
Watertown	4.70	4.31	4.12	3.86	3.53	4.10
Wellesley	3.04	2.90	2.52	2.66	2.52	2.73
Weston	1.15	1.20	1.07	0.91	1.20	1.11
Wrentham	0.82	0.80	0.75	0.86	0.87	0.82
Basin Total	212.72	208.60	202.32	199.88	190.52	202.81

21. SOUTH COASTAL BASIN

a. NORTH AND SOUTH RIVER

Cohasset	0.74	0.78	0.78	0.79	0.71	0.76
Hanover	1.05	1.08	1.13	1.05	1.11	1.08
Marshfield	2.81	2.88	2.76	2.74	3.18	2.87
Norwell	0.89	0.89	0.88	0.89	1.03	0.92
Pembroke	0.88	0.85	0.90	1.05	1.05	0.95
Rockland	0.99	0.98	0.94	0.97	0.99	0.97
Scituate	1.70	1.72	1.55	1.64	1.68	1.66
Total	9.06	9.18	8.94	9.13	9.75	9.21

b. SOUTH COASTAL SHORE

Duxbury	1.28	1.29	1.17	1.29	1.21	1.25
Kingston	1.20	1.02	0.95	1.08	0.91	1.03
Plymouth	4.36	4.25	4.36	4.83	4.64	4.49
Total	6.84	6.56	6.48	7.20	6.76	6.77
Basin Total	15.90	15.74	15.42	16.33	16.51	15.98

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<u>22. CAPE COD BASIN</u>						
Barnstable	5.25	5.13	5.15	5.43	5.34	5.26
Bourne	1.33	1.30	1.33	1.45	1.38	1.36
Brewster	0.54	0.53	0.58	0.63	0.69	0.59
Chatham	0.76	0.72	0.68	0.71	0.72	0.72
Dennis	2.12	2.01	2.00	2.12	2.12	2.07
Eastham		No Central Supply				
Falmouth	2.91	2.85	2.89	3.12	2.94	2.94
Harwich	1.10	1.13	1.19	1.26	1.24	1.18
Mashpee	0.12	0.12	0.12	0.14	0.17	0.13
Orleans	0.75	0.75	0.80	0.85	0.95	0.82
Provincetown	0.72	0.69	0.66	0.69	0.71	0.69
Sandwich	0.60	0.60	0.62	0.77	0.79	0.68
Truro	0.18	0.17	0.17	0.17	0.18	0.17
Wellfleet		No Central Supply				
Yarmouth	2.96	2.98	2.93	3.07	3.08	3.00
Basin Total	19.34	18.98	19.12	20.41	20.31	19.61
<u>23. ISLANDS BASIN</u>						
Chilmark	0.02	0.02	0.02	0.02	0.02	0.02
Edgartown	0.62	0.70	0.67	0.65	0.57	0.64
Gay Head		No Central Supply				
Gosnold	0.02	0.02	0.01	0.02	0.01	0.02
Nantucket	0.74	0.66	0.68	0.78	0.75	0.72
Oak Bluffs	0.68	0.61	0.53	0.58	0.57	0.59
Tisbury	0.65	0.57	0.58	0.59	0.53	0.58
West Tisbury		No Central Supply				
Basin Total	2.73	2.58	2.49	2.64	2.45	2.57
<u>24. BUZZARDS BAY BASIN</u>						
Acushnet	0.40	0.59	0.42	0.38	0.39	0.44
Carver		No Central Supply				
Dartmouth	2.12	2.07	2.02	2.21	2.12	2.11
Fairhaven	1.33	1.31	1.23	1.21	1.23	1.26
Marion	0.52	0.53	0.56	0.58	0.55	0.55
Mattapoisett	0.46	0.41	0.41	0.44	0.37	0.42
New Bedford	16.48	16.17	15.74	17.94	17.71	16.81
Rochester		No Central Supply				
Wareham	1.72	1.77	1.62	1.71	1.83	1.73
Westport		Insignificant Water Use				
Basin Total	23.03	22.85	22.00	24.47	24.20	23.32

	1980 Average Day Demand (mgd)	1981 Average Day Demand (mgd)	1982 Average Day Demand (mgd)	1983 Average Day Demand (mgd)	1984 Average Day Demand (mgd)	Five Year Average (mgd)
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25. <u>TAUNTON BASIN</u>						
Abington	0.79	0.77	0.72	0.76	0.88	0.78
Avon	0.40	0.41	0.45	0.46	0.46	0.44
Berkley		No Central Supply				
Bridgewater	1.46	1.34	1.60	1.67	1.83	1.58
Brockton	12.99	10.70	9.23	9.49	10.21	10.52
Dighton	0.59	0.60	0.66	0.72	0.70	0.65
East Bridgewater	0.88	0.83	0.80	0.86	0.86	0.85
Easton	1.58	1.52	1.41	1.36	1.38	1.45
Foxborough	2.36	2.12	2.09	2.27	2.29	2.23
Freetown	0.02	0.02	0.02	0.01	0.02	0.02
Halifax	0.27	0.32	0.31	0.35	0.38	0.33
Hanson	0.58	0.55	0.51	0.53	0.57	0.55
Lakeville	0.02	0.02	0.02	0.02	0.02	0.02
Mansfield	2.64	2.52	2.05	2.13	2.14	2.30
Middleborough	1.38	1.41	1.47	1.54	1.60	1.48
Norton	1.15	1.19	1.14	1.24	1.24	1.19
Plympton		No Central Supply				
Raynham	0.76	0.85	0.75	0.65	0.68	0.74
Somerset	3.04	2.55	2.60	2.98	2.88	2.81
Taunton	5.38	5.34	5.24	5.31	5.37	5.33
West Bridgewater	0.69	0.68	0.70	0.72	0.74	0.71
Whitman	0.79	0.99	0.97	0.96	0.95	0.93
Basin Total	37.77	34.73	32.74	34.03	35.20	34.91
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26. <u>NARRANGANSETT BAY AND MOUNT HOPE BAY SHORE BASIN</u>						
Fall River	12.51	13.69	14.44	14.48	14.53	13.93
Rehoboth		No Central Supply				
Seekonk	1.26	1.14	1.07	1.45	1.65	1.31
Swansea	0.95	0.97	0.97	1.02	1.05	0.99
Basin Total	14.72	15.80	16.48	16.95	17.23	16.23
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27. <u>TEN MILE BASIN</u>						
Attleboro	7.41	5.48	4.63	4.85	5.36	5.55
North Attleboro	2.57	2.56	2.76	2.48	2.45	2.56
Plainville	0.57	0.56	0.54	0.65	0.70	0.60
Basin Total	10.55	8.60	7.93	7.98	8.51	8.71

